

Applicant: Seymour, et al.
Serial No.: 10/783,443
Filed: 02/20/2004
For:INLINE CONNECTOR

Art Unit: 2839
Examiner: Zarroli, Michael C.

IN THE CLAIMS:

1. (original) An in-line coaxial cable connector comprising:

a coaxial cable having a central conductor with a first section exposed, an inner insulation with a second section exposed; a braided electrical conductor having a third section exposed, and an outer insulation beginning at the terminus of said third section

a first electrical contact having a first end affixed to said first section of exposed central conductor and having a hollow second end formed to engage a mating electrical contact;

an electrically conductive eyelet fitted between said inner insulation and said braided electrical conductor at said exposed third section

an electrically conductive sleeve overlying said third section and at least a portion of said outer insulation and being fixed thereto;

an electrically insulating member fitted over said first electrical contact and having a first end extending at least partway over said second section; and

an electrically conductive metal shell positioned over said member and extending forward of said second end of said contact and rearward of said sleeve

2. (amended) The in-line coaxial cable connector of Claim 1 wherein said first electrical contact has an intermediate portion that is solid.

3. (amended) The in-line coaxial cable connector of Claim 2 wherein said intermediate portion of said contact comprises about 1/3 the length of said contact.

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Page 4 of 6

4. (amended) The in-line coaxial cable connector 40 of Claim 3 wherein the outer surface of said intermediate portion includes a flange operating as a positive stop that engages an interior wall of said insulating member.

5. (amended) The in-line coaxial cable connector 40 of Claim 1 wherein said electrical insulator has a second end extending over said second end of said first electrical contact, the terminus of said second end of said insulator including a lip forming an alignment area for the reception of said mating electrical contact.